

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A ~~two-component system with controllable pot life, curing via a redox initiator system and composed of the following components: composition comprising,~~

component A

from 0.8 to 70% by weight, based on the entirety of polymers and monomers (component A and component B), of a polymer or polymer mixture prepared via aqueous emulsion polymerization and comprising from 0.01 to 30% by weight of a component of a redox initiator system mainly absorbed in the polymer particles or on the polymer particles,

component B

from 30 to 99% by weight, based on the entirety of polymers and monomers (A and B), of at least one ethylenically unsaturated monomer,

component C

from 0.01 to 5% by weight, based on the entirety of polymers and monomers (A and B), of at least one component of a redox initiator system which forms the partner of the initiator component absorbed in the particles of A, and

component D

from 0 to 800% by weight, based on the entirety of polymers and monomers (A and B), of fillers, pigments, and other auxiliaries.

Claim 2 (Currently Amended): The composition as claimed in claim 1, ~~composed of~~
~~the following components: comprising,~~

component A

from 3 to 60% by weight, based on the entirety of polymers and monomers
(component A and component B), of a polymer or polymer mixture prepared via aqueous
emulsion polymerization and comprising from 0.01 to 30% by weight of a component of a
redox initiator system mainly absorbed in the polymer particles or on the polymer particles,

component B

from 40 to 97% by weight, based on the entirety of polymers and monomers (A and
B), of at least one ethylenically unsaturated monomer,

component C

from 0.01 to 5% by weight, based on the entirety of polymers and monomers (A and
B), of at least one component of a redox initiator system which forms the partner of the
initiator component absorbed in the particles of A, and

component D

from 0 to 800% by weight, based on the entirety of polymers and monomers (A and
B), of fillers, pigments, and other auxiliaries.

Claim 3 (Currently Amended): The composition as claimed in claim 1, ~~composed of~~
~~the following components: comprising,~~

component A

from 5 to 60% by weight, based on the entirety of polymers and monomers (component A and component B), of a polymer or polymer mixture prepared via aqueous emulsion polymerization and comprising from 0.01 to 30% by weight of a component of a redox initiator system mainly absorbed in the polymer particles or on the polymer particles,

component B

from 40 to 95% by weight, based on the entirety of polymers and monomers (A and B), of at least one ethylenically unsaturated monomer,

component C

from 0.01 to 5% by weight, based on the entirety of polymers and monomers (A and B), of at least one component of a redox initiator system which forms the partner of the initiator component absorbed in the particles of A, and

component D

from 0 to 800% by weight, based on the entirety of polymers and monomers (A and B), of fillers, pigments, and other auxiliaries.

Claim 4 (Currently Amended): The composition as claimed in claim 1, ~~composed of the following components:~~ comprising.

component A

from 10 to 50% by weight, based on the entirety of polymers and monomers (component A and component B), of a polymer or polymer mixture prepared via aqueous

emulsion polymerization and comprising from 0.01 to 30% by weight of a component of a redox initiator system mainly absorbed in the polymer particles or on the polymer particles,

component B

from 50 to 90% by weight, based on the entirety of polymers and monomers (A and B), of at least one ethylenically unsaturated monomer,

component C

from 0.01 to 5% by weight, based on the entirety of polymers and monomers (A and B), of at least one component of a redox initiator system which forms the partner of the initiator component absorbed in the particles of A, (component C) and

component D

from 0 to 800% by weight, based on the entirety of polymers and monomers (A and B), of fillers, pigments, and other auxiliaries.

Claim 5 (Currently Amended): The composition as claimed in claim 1, wherein
characterized in that

component A a polymer composed of comprises

a) from 5 to 100% by weight, based on component A, of a monofunctional (meth)acrylate monomer whose water-solubility is < 2% by weight at 20°C

b) from 0 to 70% by weight, based on component A, of a monomer copolymerizable with the (meth)acrylate monomer

- c) from 0 to 5% by weight, based on component A, of a polyunsaturated compound, and
- d) from 0 to 20% by weight, based on component A, of a polar monomer whose water-solubility is > 2% by weight at 20°C,

and that component B of comprises 2-(2-(2-ethoxyethoxy)-ethoxy)ethyl methacrylate, tetrahydrofuryl methacrylate or 1,4-butanediol dimethacrylate, and that component C comprises, as peroxide, dibenzoyl peroxide or dilauryl peroxide, and comprises, as accelerator component, N,N-dimethyl-p-toluidine or N,N-bis(2-hydroxyethyl)-p-toluidine.

Claim 6 (Currently Amended): ~~The use of a composition as claimed in any of claims 1 to 5 as~~ An adhesive comprising the composition as claimed in claim 1.

Claim 7 (Currently Amended): ~~The use of a composition as claimed in any of claims 1 to 5 as~~ A casting resin comprising the composition as claimed in claim 1.

Claim 8 (Currently Amended): ~~The use of a composition as claimed in any of claims 1 to 5 as~~ A floor coating comprising the composition as claimed in claim 1.

Claim 9 (Currently Amended): ~~The use of a composition as claimed in any of claims 1 to 5 as composition for~~ A reactive plugs. comprising the composition as claimed in claim 1.

Claim 10 (Currently Amended): ~~The use of a composition as claimed in any of claims 1 to 5 as~~ A dental composition comprising the composition as claimed in claim 1.

Claim 11 (Currently Amended): ~~The use of a composition as claimed in any of claims 1 to 5 as~~ A sealing composition comprising the composition as claimed in claim 1.